| <br> | Claims |  |
|------|--------|--|
|      |        |  |

| Application No.    | Applicant(s)       |
|--------------------|--------------------|
| 10/680,514         | BEISSWENGER ET AL. |
| Examiner           | Art Unit           |
| Marissa L Ferguson | 2854               |

| ' | Rejected | 1 | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| П | Allowed  | 4 | Restricted                     |

| N | Non-Elected  |  |
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| ı | Interference |  |

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|       |          |  | L             |              |          |          |          |              |          |            |          |             |          |  |          |  |  | 1              |              |  |
|-------|----------|--|---------------|--------------|----------|----------|----------|--------------|----------|------------|----------|-------------|----------|--|----------|--|--|----------------|--------------|--|
| 01-   | 1        |  |               |              |          |          |          |              |          |            | 1 1      |             |          |  |          |  |  | <b>\_</b>      |              |  |
| Cla   | iim _    |  |               |              |          | Date     |          |              |          | _          |          | Ula         | min      |  |          | _  | ╬  | ate            | ;            |  |
| Final | Original | 8/2/04                                 |               |              |          |          |          |              |          |            |          | Final       | Original |  |          |  |  |                |              |  |
|       | 1        | i                                      |               |              |          |          |          | П            |          | Г          | 1 1      |             | 51       |  |          |  |  |                |              |  |
|       | 2        |  |               |              |          |          | _        | П            |          |            | 1 1      |             | 52       |  |          |  |  |                |              |  |
|       | 3        |  |               |              | _        |          | -        |              |          |            | 1 1      |             | 53       |  |          |  |  |                |              |  |
|       | 4        |  |               |              |          |          |          |              |          |            |          |             | 54       | $\Box$   |          |  |  |                |              |  |
|       | 5        |  |               |              |          |          |          |              |          |            | 1.5      |             | 55       |  |          |  |  |                |              |  |
|       | 6        | 1                                      | $\Box$        |              |          |          |          |              |          |            | . 3      |             | 56       |  |          |  |  |                |              |  |
|       | 7        |  |               |              |          |          | Г        |              | Г        |            |          |             | 57       |  |          |  |  |                |              |  |
|       | 8        |  |               |              |          |          | Г        | Г            |          | Г          |          |             | 58       |  |          |  |  |                |              |  |
|       | 9        |  |               |              |          |          |          |              |          |            |          |             | 59       |  |          |  |  |                |              |  |
|       | 10       | /,                                     |               |              |          |          |          |              |          |            | ١.,      |             | 60       |  |          |  |  |                |              |  |
|       | 11       | I                                      |               |              |          |          |          |              |          |            | 1.<br>1. |             | 61       |  |          |  |  |                |              |  |
|       | 12       | П                                      |               |              |          |          |          |              |          |            | 1 1      |             | 62       |  |          |  |  |                |              |  |
|       | 13       |  |               |              |          |          |          |              |          |            | r        |             | 63       |  |          |  |  |                |              |  |
|       | 14       |  |               |              |          |          |          |              |          |            | ] :      |             | 64       |  |          |  |  |                |              |  |
|       | 15       | П                                      |               |              |          |          |          |              |          |            |          |             | 65       |  |          |  |  |                |              |  |
|       | 16       | П                                      |               |              |          |          |          |              |          |            |          |             | 66       |  |          |  |  |                |              |  |
|       | 17       |  |               |              |          | L        |          |              |          |            | ] .      |             | 67       |  |          |  |  |                |              |  |
|       | 18       |  |               |              |          |          |          |              |          |            | ]        |             | 68       |  |          |  |  | L              | _            |  |
|       | 19       |  |               |              |          |          |          | <u> </u>     | _        | <u> </u>   | ]        |             | 69       |  |          |  |  |                | L            |  |
|       | 20       |  |               |              |          |          |          |              | _        |            |          |             | 70       | Ш  |          | L.   |  | <u> </u>       |              |  |
|       | 21       |  |               |              |          |          | L        | L            |          | _          |          |             | 71       | Ш  |          |  |  |                |              | _  |
|       | 22       | IL                                     |               |              |          |          | ļ.,      | _            |          |            | ]        |             | 72       |  |          | _  |  |                | _            |  |
|       | 23       | 1                                      |               |              | <u> </u> | <u></u>  | _        | _            |          |            | 1        |             | 73       |  |          | 匚  | <u> </u>   |                | <u> </u>     | L  |
|       | 24       | Щ_                                     |               |              |          | <u> </u> |          | L            | _        | _          | 1        | <u> </u>    | 74       |  |          | <u>_</u>   | _  |                |              | <u>L</u>   |
|       | 25       | <b>L</b>                               | _             | _            | _        |          | <u> </u> | _            | _        |            | ļ        |             | 75       |  |          |  | _  |                |              | _  |
|       | 26       | Щ_                                     | $oxed{oxed}$  | <u> </u>     | <u> </u> | <u> </u> | <u> </u> | _            | <u> </u> | ļ          | 1        |             | 76       |  |          |  | <u> </u>   | ldash          |              | _  |
|       | 27       | 1                                      | _             | <u> </u>     | <u> </u> | ļ        | _        | <u> </u>     | <u> </u> | <u> </u>   | Į        | <u> </u>    | 77       |  |          | <u> </u>   | <u> </u>   | _              |              | _  |
|       | 28       | 1                                      | _             | <u> </u>     | _        | _        | ┞        | _            | <b> </b> | ļ          |          | <u> </u>    | 78       | _  |          |  |  | <del> </del> _ | <u> </u>     | ₩  |
|       | 29       | Щ_                                     | _             |              | _        | ┡        | ┡        | ļ.,          | <u> </u> | <u> </u>   | Į        |             | 79       | _  |          | <u> </u>   | _  | _              | ⊢            | _  |
|       | 30       | 1                                      | _             | <b> </b> _   | ļ        | _        | ┡        | <u> </u>     | <u> </u> | <b> </b> - | 4        | ļ           | 80       | _  |          | <u> </u>   |  | ļ              | ├-           |  |
|       | 31       | <b>II</b>                              | <u> </u>      | _            | <u> </u> | <u> </u> | <b> </b> | <del> </del> | <u> </u> | ┞          |          |             | 81       | $\vdash$   |          | -  | _  | <u> </u>       | ⊢            | $\vdash$   |
|       | 32       | ₩-                                     | ┞             | <u> </u>     | _        | <u> </u> | <u> </u> | -            | -        | -          | 1        |             | 82       | _  |          | <del> </del>                                     | _  | ┡              | ⊢            | ┝  |
|       | 33       | <b>II</b> .                            | ļ             | <b>!</b>     | <u> </u> | ₩        | <b>⊢</b> | ╄-           | ⊢        | ↓_         | Ł        |             | 83       |  |          | ļ  |  | <del> </del>   | ⊬            | ├  |
|       | 34       | <b>!</b>                               | ┡             | <u> </u>     |          | -        | ⊢        | ┼            |          | _          | 1        |             | 84       | -  | _        | <u> </u>   | <u> </u>   | ⊢              | ⊢            | ⊢  |
|       | 35       | #                                      | ├             | -            | ┼        | ⊢        | <u> </u> | ╀            | ├        | ┢          | 1        | -           | 85       | $\vdash$   |          | <u> </u>   | -  | -              |              | <del> </del>                                     |
|       | 36       | -                                      | <del> -</del> | -            | -        | ├-       | <u> </u> | ┼            | ├-       | ├          | 1        | —           | 86       | $\vdash$   |          | -  | ⊢  | -              |              | ⊬  |
|       | 37       | ╫                                      |               | -            | ┼-       | ┼        | -        | $\vdash$     | -        | ⊢          | -        | -           | 87       | -  | -        | ┢  |  | ┝              | ├-           | ╢  |
|       | 38<br>39 | #-                                     | ⊢             | ⊢            | ╀        | ╀        | ₽        | ├            | ⊢        | -          | - }      | <u> </u>    | 88<br>89 | -  |          | $\vdash$   |  | ┢              | ┝            | ⊢  |
|       | 40       | -                                      | ⊢             | ⊢            | ╀        | ⊢        | ╁        | -            | ┝        | $\vdash$   | -        |             | 90       | $\vdash$   | _        | ╌  |  | ┢              | ┢            | ├  |
|       | 41       | ╟                                      | ⊢             | -            | ╁        | ╁        | ╁        | -            | $\vdash$ | ┢          | ┤        |             | 91       |  |          | ┢  | ┢  | ⊢              | ┢            | ╁  |
|       | 42       | ╢─                                     | ├             | ┢            | ╁        | $\vdash$ | ╁╌       | 1            | $\vdash$ | ┼          | ┨        | ┢           | 92       | ╁  | _        | $\vdash$   | -  | -              | <del> </del> | ┢  |
|       | 43       | ╫╴                                     | ╁             | -            | +        | ⊢        | ╁╌       | +            | ╁╌       | ┢          | ┨        | ├─          | 93       | $\vdash$   |          | ┢  | $\vdash$   | ╁              | -            | <del>                                     </del> |
|       | 43       | k                                      | $\vdash$      | ╁            | +        | 1        | $\vdash$ | +            | +        | $\vdash$   | 1        | <del></del> | 94       | $\vdash$   | -        | <del>                                     </del> | <del>  -  </del>                                 | H              | $\vdash$     | $\vdash$   |
|       | 45       |  | <del> -</del> | ╁            | ╁        | $\vdash$ | +        | +            | +        | $\vdash$   | 1        | $\vdash$    | 95       | t  | _        | $\vdash$   | <del>                                     </del> | $\vdash$       | $t^{-}$      | t  |
|       | 46       | 0                                      | $\vdash$      | $\vdash$     | †-       | +        | +        | +            | $\vdash$ | +-         | 1        |             | 96       | 一  | -        | $\vdash$   | $\vdash$   | ⇈              | ┰            | t  |
|       | 47       | 1                                      | 1             | <del> </del> | t        | $\vdash$ | $\vdash$ | +            | $\vdash$ | t          | 1        | 1           | 97       | $\vdash$   | -        | $\vdash$   | $\vdash$   | $\vdash$       | $\vdash$     | T  |
|       | 48       | 1                                      | 1             | $\vdash$     | +        | +-       | $\vdash$ | +-           | 1-       | $t^-$      | 1        | $\vdash$    | 98       | <del>                                     </del> | $\vdash$ | <del>                                     </del> | Н  | 1              | $t^{-}$      | t  |
|       | 49       | +                                      | $\vdash$      | $\vdash$     | $\vdash$ | T        | $\vdash$ | +            | t        | $t^{-}$    | 1        | <b></b>     | 99       | <del>                                     </del> | $\vdash$ | T  | t  | 1              | $\vdash$     | $\vdash$   |
|       | 50       | $t^-$                                  | +             | $\vdash$     | $\vdash$ | +-       | 1        | +-           | 1        | 1-         | 1        |             | 100      | T  | -        | 1  | $\vdash$   | T              | $\vdash$     | T  |
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| Cli      | aim   |  |  | _            |              | Date   | <del></del>                                      |          |  | _        |
|----------|---|--|--|--------------|--------------|--|--|----------|--|----------|
|          |   |  |  |              |              |  |  |          |  |          |
| Final    | Original                                      |  |  |              |              |  |  |          |  |          |
| Œ        | Ö   |  |  |              | ,            |  |  |          |  |          |
|          | 101   |  |  |              |              |  |  |          |  |          |
|          | 102   |  |  |              |              |  |  |          |  |          |
|          | 103   |  |  |              |              |  |  |          |  |          |
|          | 104<br>105                                    |  |  |              |              |  |  |          |  |          |
|          | 105   |  |  |              |              |  |  |          | $\Box$   |          |
|          | 106   |  |  |              | _            |  |  |          |  | _        |
| _        | 107<br>108                                    |  | _  | $\vdash$     | _            | -  | _  | _        |  | -        |
| -        | 109   | _  | -  | -            |              | $\vdash$   | _  | _        |  |          |
| -        | 110   |  |  | $\vdash$     | $\vdash$     | -  |  |          |  | Н        |
| $\vdash$ | 111   |  | _  | Н            | $\vdash$     | -  | $\vdash$   |          | $\vdash$   |          |
|          | 112   | _  | Т  |              | $\vdash$     | $\vdash$   |  | _        |  | Н        |
|          | 113   |  | -  | $\vdash$     | $\vdash$     | $\vdash$   |  | -        |  |          |
|          | 114   | П  |  |              |              |  |  |          |  |          |
|          | 115   |  |  |              |              |  |  |          |  |          |
|          | 110<br>111<br>112<br>113<br>114<br>115<br>116 |  |  |              |              |  |  |          |  |          |
|          | 117   |  |  | <u> </u>     |              |  |  |          |  |          |
|          | 118<br>119                                    | _  | _  |              |              | L  | _  |          | ļ  | _        |
| <u> </u> | 119   | _  |  |              | <u> </u>     | _  | <u> </u>   | <u> </u> | <u> </u>   |          |
|          | 120   |  |  |              | _            | ⊢  | <u> </u>   | ļ        | _  | ┞        |
| <u></u>  | 121   |  | -  |              | ⊢            | -  |  | _        | -  |          |
| -        | 122   | -  |  |              | ├            | ├  | ├  | _        | <del> </del>                                     | _        |
| $\vdash$ | 120<br>121<br>122<br>123<br>124<br>125        | $\vdash$   |  |              | ┢            | ┢  | $\vdash$   | _        | ┝  | -        |
| -        | 125   | $\vdash$   | ┢  | ├─           | ⊢            | ╁╌   | ┢  | _        | ┢  | _        |
| -        | 126   | <del>                                     </del> | ┢╌   | 一            | $\vdash$     | <del>                                     </del> | $\vdash$   | -        | -  | -        |
|          | 127   | _  | ┪  | $\vdash$     | Т            | $\vdash$   |  |          | Г  |          |
|          | 126<br>127<br>128<br>129<br>130<br>131<br>132 |  |  | Г            |              |  |  |          | Г  |          |
|          | 129   |  |  |              |              |  |  |          |  |          |
|          | 130   |  |  |              |              |  |  |          |  |          |
|          | 131   | _  | _  | _            |              | <u> </u>   | _  | _        | _  |          |
| <u></u>  | 132   | _  | <u> </u>   | ┞            | L            | <b> </b>   | Ь  | <u> </u> | <u> </u>   | _        |
| <u></u>  | 133   | <u> </u>   | <u> </u>   | <del> </del> | <u> </u>     | ₩  | <u> </u>   | _        | -  | <u> </u> |
| -        | 134<br>135                                    | -  | $\vdash$   | $\vdash$     | <del> </del> | -  | -  | <u> </u> | ⊢  | ├        |
|          | 135   |  |  | ⊢            | $\vdash$     | +-   | ┢  |          | $\vdash$   |          |
| -        | 130   | $\vdash$   | -  | ├-           | ┢            | +-   | $\vdash$   | -        | $\vdash$   | ┢        |
| -        | 137<br>138<br>139                             | -  | $\vdash$   | +-           | $\vdash$     | $\vdash$   | 1  | -        | ┢  |          |
| -        | 139   | $\vdash$   | <del>                                     </del> | f            |              | $\vdash$   | <del>                                     </del> | $\vdash$ | <del>                                     </del> | _        |
|          | 140   | <u> </u>   | t  | T            | $t^{-}$      | $\vdash$   | $\vdash$   | Τ        | T  | 1        |
|          | 141   | <u> </u>   |  | Τ            |              | Т  | T  |          |  |          |
|          | 142   |  |  |              |              | L  |  |          |  | L        |
|          | 143   |  |  |              |              |  |  |          |  |          |
|          | 144   | Ĺ  | Ĺ  | $\perp$      |              | L  | <u> </u>   | L        |  | <u> </u> |
|          | 145   | L  | _  | ↓_           | _            | $\vdash$   | ↓_   | _        | ↓  | <u> </u> |
| <u></u>  | 146   | <u> </u>   | ├  |              | 1            | 1  | _  | ┞        | ↓_   | <u> </u> |
| _        | 147   | <b>├</b>   | -  |              | ├-           | ₩  | 1  | ⊢        |  | ├-       |
| -        | 148<br>149                                    | -  | ₩  | ┼            | $\vdash$     | +-   | ┼-   | ╀        | ╀  |          |
| -        | 150   | ╁╾   | $\vdash$   | ╁            | ╀            | ╁  | ╁  | ╁        | ╀╌   | -        |
|          | 1 100   | L_   | Ь_   | 1            | 1_           |  | Ц_   | Ц_       | <u> </u>   | <u>—</u> |